Author Index

Aartsma, T.J., see Schelvis, J.P.M. (1184) 242
Aartsma, T.J., see Van Noort, P.I. (1184) 21
Albertsson, P.-Å., see Wollenberger, L. (1184) 93
Amesz, J., see Van Noort, P.I. (1184) 21
Andralojc, P.J. and Harris, D.A.
Catalytic cooperativity in the Ca^{2+}-dependent ATPase activity of spinach chloroplast coupling factor (CF_1) (1184) 54

Bachofen, R., see Ghosh, R. (1184) 28
Bachofen, R., see Ghosh, R. (1184) 37
Barbato, R., see Friso, G. (1184) 78
Bassi, R., see Jennings, R.C. (1184) 279
Basu, A., Yin, M., Waterland, R.A. and Chance, B.
Kinetics of ligand binding of cytochrome oxidases: a comparative study (1184) 291
Berger, G., see Malyan, A.N. (1184) 202
Blanchard-Desce, M., see Rappaport, F. (1184) 178
Boekema, E.J., see Boonstra, A.F. (1184) 227
Boonstra, A.F., Germeroth, L. and Boekema, E.J.
Structure of the light harvesting antenna from *Rhodospirillum molischianum* studied by electron microscopy (1184) 227
Bottin, H., see Hervás, M. (1184) 235
Boussac, A., see Johnson, G.N. (1184) 85
Brzezinski, P., see Hallén, S. (1184) 207

Camougrand, N.M., see Guerin, M.G. (1184) 111
Chance, B., see Basu, A. (1184) 291
Conover, R.C., see Garcia Castillo, M.C. (1184) 273
Crofts, A.R., see Kramer, D.M. (1184) 193
Crofts, A.R., see Kramer, D.M. (1184) 251

De la Rosa, M.A., see Hervás, M. (1184) 235
DiBerardino, M., see Ghosh, R. (1184) 28
Dufour, J.-P., see Rapin-Legroux, C. (1184) 127
Dupont, Y., see Rapin-Legroux, C. (1184) 127
Durnford, D.G. and Green, B.R.
Characterization of the light harvesting proteins of the chromophytic alga, *Olisthodiscus luteus* (*Heterosigma carterae*) (1184) 118

Eggers, B., see Vermaas, W. (1184) 263

Finnegan, M.G., see Garcia Castillo, M.C. (1184) 273
Flores, E., see Luque, I. (1184) 296
Freiberg, A., Timpmann, K., Moskalenko, A.A. and Kuznetsova, N.Yu.
Pico- and nanosecond fluorescence kinetics of Photosystem II reaction centre and its complex with CP47 antenna (1184) 45
Friso, G., Spetea, C., Giacometti, G.M., Vass, I. and Barbato, R.
Degradation of Photosystem II reaction center D1-protein induced by UVB radiation in isolated thylakoids. Identification and characterization of C- and N-terminal breakdown products (1184) 78
Fu, C. and Maier, R.J.
Nucleotide sequences of two hydrogenase-related genes (*hypA* and *hypB*) from *Bradyrhizobium japonicum*, one of which (*hypB*) encodes an extremely histidine-rich region and guanine nucleotide-binding domains (1184) 135

Garcia Castillo, M.C., Finnegan, M.G., Conover, R.C., Knaff, D.B. and Johnson, M.K.
Spectroscopic characterization of flavocytochrome *c*-552 from the photosynthetic purple sulfur bacterium *Chromatium vinosum* (1184) 273
Garlaschi, F.M., see Jennings, R.C. (1184) 279
Geisler, V., Ullmann, R. and Kröger, A.
The direction of the proton exchange associated with the redox reactions of menaquinone during electron transport in *Wolinella succinogenes* (1184) 219
Germeroth, L., see Boonstra, A.F. (1184) 227
Ghosh-Eicher, S., see Ghosh, R. (1184) 28
Ghosh-Eicher, S., see Ghosh, R. (1184) 37
Ghosh, R., Ghosh-Eicher, S., DiBerardino, M. and Bachofen, R.
Protein phosphorylation in *Rhodospirillum rubrum*: purification and characterization of a water-soluble B873 protein kinase and a new component of the B873 complex, Ω, which can be phosphorylated (1184) 28
Ghosh, R., Tschopp, P., Ghosh-Eicher, S. and Bachofen, R.
Protein phosphorylation in *Rhodospirillum rubrum*: further characterization of the B873 kinase activity (1184) 37
Giacometti, G.M., see Friso, G. (1184) 78
Girault, G., see Malyan, A.N. (1184) 202
Gonzalez, F.J., see Matsunaga, T. (1184) 299
Green, B.R., see Durnford, D.G. (1184) 118
Guerin, M.G. and Camougrand, N.M.
Partitioning of electron flux between the respiratory chains of the yeast *Candida parapsilosis*: parallel working of the the two chains (1184) 111

Hallén, S. and Brzezinski, P.
Light-induced structural changes in cytochrome *c* oxidase: implication for the mechanism of electron and proton gating (1184) 207
Harris, D.A., see Andralojc, P.J. (1184) 54
Herrero, A., see Luque, I. (1184) 296
Hervás, M., Ortega, J.M., Navarro, J.A., De la Rosa, M.A. and Bottin, H.
Laser flash kinetic analysis of *Synechocystis* PCC 6803 cytochrome c_6 and plastocyanin oxidation by Photosystem I (1184) 235
Hille, R.
The reaction mechanism of oxomolybdenum enzymes (1184) 143

Jansson, S.
The light-harvesting chlorophyll *a*/*b*-binding proteins (1184) 1
Jennings, R.C., Zucchelli, G., Bassi, R., Vianelli, A. and Garlaschi, F.M.
The relation between the minor chlorophyll spectral forms and fluorescence quenching in aggregated light harvesting chlorophyll *a*/*b* complex II (1184) 279
Johnson, G.N., Boussac, A. and Rutherford, A.W.
The origin of 40–50°C thermoluminescence bands in Photosystem II (1184) 85
Johnson, M.K., see Garcia Castillo, M.C. (1184) 273
Joliot, A., see Kramer, D.M. (1184) 251
Joliot, P., see Kramer, D.M. (1184) 251

Knaff, D.B., see Garcia Castillo, M.C. (1184) 273
Kramer, D.M. and Crofts, A.R.
Re-examination of the properties and function of the *b* cytochromes of the thylakoid cytochrome *bf* complex (1184) 193
Kramer, D.M., Joliot, A., Joliot, P. and Crofts, A.R.
Competition among plastoquinol and artificial quinone/quinol couples at the quinol oxidizing site of the cytochrome *bf* complex (1184) 251
Kröger, A., see Geisler, V. (1184) 219
Kuznetsova, N.Yu., see Freiberg, A. (1184) 45

Lavergne, J., see Rappaport, F. (1184) 178
Lill, H., Steinemann, D. and Nelson, N.
Mutagenesis of the *b'*-subunit of *Synechocystis* sp. PCC 6803 ATP-synthase (1184) 284
Luque, I., Flores, E. and Herrero, A.
Nitrate and nitrite transport in the cyanobacterium *Synechococcus* sp. PCC 7942 are mediated by the same permease (1184) 296

Maier, R.J., see Fu, C. (1184) 135
Malyan, A.N., Girault, G. and Berger, G.
Examination of catalytic activity of the β subunit isolated from chloroplast coupling factor 1 (1184) 202
Matsunaga, T., Watanabe, K., Yamamoto, I., Negishi, M., Gonzalez, F.J. and Yoshimura, H.
cDNA cloning and sequence of CYP2C29 encoding *P*-450 MUT-2, a microsomal aldehyde oxygenase (1184) 299
Mimuro, M., see Nakayama, K. (1184) 103
Moskalenko, A.A., see Freiberg, A. (1184) 45
Mullineaux, C.W.
Excitation energy transfer from phycobilisomes to Photosystem I in a cyanobacterial mutant lacking Photosystem II (1184) 71

Nakayama, K. and Mimuro, M.
Chlorophyll forms and excitation energy transfer pathways in light-harvesting chlorophyll *a* / *b*-protein complexes isolated from the siphonous green alga, *Bryopsis maxima* (1184) 103
Navarro, J.A., see Hervás, M. (1184) 235
Negishi, M., see Matsunaga, T. (1184) 299
Nelson, N., see Lill, H. (1184) 284
Nofziger, D.E., see Pikó, L. (1184) 139

Ortega, J.M., see Hervás, M. (1184) 235

Picorel, R., Williamson, D.L., Yruela, I. and Seibert, M.
The state of iron in the oxygen-evolving core complex of the cyanobacterium *Phormidium laminosum*: Mössbauer spectroscopy (1184) 171
Pikó, L., Nofziger, D.E., Western, L.M. and Taylor, K.D.
Sequence of a mouse embryo cDNA clone encoding proteolipid subunit 9 (P1) of the mitochondrial H^+-ATP synthase (1184) 139
Pokorny, A., Wulf, K. and Trissl, H.-W.
An electrogenic reaction associated with the re-reduction of P680 by Tyr Z in Photosystem II (1184) 65

Rapin-Legroux, C., Troullier, A., Dufour, J.-P. and Dupont, Y.
Inhibition of yeast plasma membrane H^+-ATPase by fluoroaluminates (1184) 127
Rappaport, F., Blanchard-Desce, M. and Lavergne, J.
Kinetics of electron transfer and electrochromic change during the redox transitions of the photosynthetic oxygen-evolving complex (1184) 178
Rutherford, A.W., see Johnson, G.N. (1184) 85

Schelvis, J.P.M., Van Noort, P.I., Aartsma, T.J. and Van Gorkom, H.J.
Energy transfer, charge separation and pigment arrangement in the reaction center of Photosystem II (1184) 242
Seibert, M., see Picorel, R. (1184) 171
Spetea, C., see Friso, G. (1184) 78
Stefansson, H., see Wollenberger, L. (1184) 93
Steinemann, D., see Lill, H. (1184) 284
Styring, S., see Vermaas, W. (1184) 263

Taylor, K.D., see Pikó, L. (1184) 139
Timpmann, K., see Freiberg, A. (1184) 45
Trissl, H.-W., see Pokorny, A. (1184) 65
Troullier, A., see Rapin-Legroux, C. (1184) 127
Tschopp, P., see Ghosh, R. (1184) 37

Ullmann, R., see Geisler, V. (1184) 219

Van Gorkom, H.J., see Schelvis, J.P.M. (1184) 242
Van Noort, P.I., Aartsma, T.J. and Amesz, J.
Energy transfer and trapping of excitations in membranes of *Heliobacterium chlorum* at 15 K (1184) 21
Van Noort, P.I., see Schelvis, J.P.M. (1184) 242
Vass, I., see Friso, G. (1184) 78
Vass, I., see Vermaas, W. (1184) 263
Vermaas, W., Vass, I., Eggers, B. and Styring, S.
Mutation of a putative ligand to the non-heme iron in Photosystem II: implications for Q_A reactivity, electron transfer, and herbicide binding (1184) 263
Vianelli, A., see Jennings, R.C. (1184) 279

Watanabe, K., see Matsunaga, T. (1184) 299
Waterland, R.A., see Basu, A. (1184) 291
Western, L.M., see Pikó, L. (1184) 139
Williamson, D.L., see Picorel, R. (1184) 171
Wollenberger, L., Stefansson, H., Yu, S.-G. and Albertsson, P.-Å.
Isolation and characterization of vesicles originating from the chloroplast grana margins (1184) 93
Wulf, K., see Pokorny, A. (1184) 65

Yamamoto, I., see Matsunaga, T. (1184) 299
Yin, M., see Basu, A. (1184) 291
Yoshimura, H., see Matsunaga, T. (1184) 299
Yruela, I., see Picorel, R. (1184) 171
Yu, S.-G., see Wollenberger, L. (1184) 93

Zucchelli, G., see Jennings, R.C. (1184) 279